

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A method for purifying teicoplanin A₂ comprising:
 - (i) purifying a filtrate of a fermentation broth comprising teicoplanin A₂ on a synthetic adsorbent, to obtain a primary pre-purification solution;
 - (ii) purifying the primary pre-purification solution on a cation exchange resin having a high cross-linkage of over 8%, a catalytic resin, or a chelate resin, to create a secondary pre-purification solution;
 - (iii) purifying the secondary pre-purification solution on a reversed phase resin, to create a purified teicoplanin A₂ solution; and
 - (iv) drying the purified teicoplanin A₂ solution to form a powder.
2. (Currently Amended) The method according to claim 1, wherein the synthetic adsorbent is chosen from high porous styrene type synthetic adsorbents, high porous styrene type synthetic adsorbents having bromine chemically substituted, high porous styrene/divinyl polymers, macroreticular cross-linked polymer, macroreticular cross-linked aliphatic polymer, macroreticular cross-linked aromatic polymer, methacrylic synthetic adsorbents, and carbonaceous synthetic adsorbents comprising a high porosity styrene/divinyl benzene ion exchange resin.
3. (Canceled)

4. (Previously Presented) The method according to claim 1, wherein the synthetic adsorbent is eluted with purified water containing acetone in a concentration of 50 to 80%.

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The method according to claim [[6]] 1, wherein the resin used in the secondary pre-purification is regenerated by sequentially washing it with sodium hydroxide and a weak acid solution ~~such as acetic acid or diluted hydrochloric acid and then,~~ purified water so that the final eluate of purified water is has a pH in the range of pH 4.5 to 7.0.

8. (Currently Amended) The method according to claim 1, wherein the eluent used in the secondary pre-purification is purified water having a pH in the range of pH 10 to 13.

9. (Previously Presented) The method according to claim 1, wherein the reversed phase resin comprises a silica containing non-polar side chain having 1 to 18 carbons and having a particle size of 15 to 150 μm .

10. (Canceled)

11. (Original) The method according to claim 1, wherein the eluent used in the final purification step is purified water containing acetone or acetonitrile in a concentration of 20 to 30%.

12. (New) The method according to claim 7, wherein the weak acid solution comprises acetic acid or diluted hydrochloric acid.